

U.S. Patent Application Serial No. 09/839,357
Amendment dated August 13, 2004
Reply to OA of May 18, 2004

IN THE CLAIMS

Please cancel claims 2, 3, 5-7, 9-13, 16-17, 19-21 and 23-27 without prejudice or disclaimer.

Please amend claims 1, 8, 14, 15 and 22 as follows:

Claim 1 (Currently Amended): A sustained-releasing composition of an anti-protista substance comprising :

a water-wettable polyvinylalcohol type polymer compound having solubility of 1 g or less per 1 liter of water,

and cetyl pyridinium chloride as an anti-protista substance ~~selected from the group of consisting of a heavy metal and a compound containing the metal, a cationic surface active quaternary type ammonium salt containing a long chain alkyl group, an amphoteric surface active agent containing a long chain alkyl group, a quinoline derivative, an organic nitrogen-sulfur compound, a benzene derivative, a biguanidine compound, sorbic acid and its salt, ϵ -polylysine, hinokitiol, various kinds of formalin donor, and chloroisocyanuric acid and its salt,~~

further wherein, an amount of cetyl pyridinium chloride ~~the anti-protista substance~~ in the composition is 10 to 90 [[(]]wt % of the total composition[[)]]].

Claims 2-3 (Canceled).

Claim 4 (Original): The composition according to claim 1, wherein a sustained-releasing

U.S. Patent Application Serial No. 09/839,357
Amendment dated August 13, 2004
Reply to OA of May 18, 2004

effect of the anti-protista substance contained in the composition is maintained for 2 months.

Claims 5-7 (Canceled).

Claim 8 (Currently Amended): The composition according to claim 1, wherein the polyvinylalcohol type polymer compound is polyvinylalcohol.

Claims 9-13 (Canceled).

Claim 14 (Currently Amended): A sustained-releasing composition of an anti-protista substance, which is obtained by kneading a water-wettable polyvinylalcohol type polymer compound having solubility of 1 g or less per 1 liter of water with cetyl pyridinium chloride as an anti-protista substance ~~which is selected from the group of consisting of a heavy metal and a compound containing the metal, a cationic surface active quaternary type ammonium salt containing a long chain alkyl group, an amphoteric surface active agent containing a long chain alkyl group, a quinoline derivative, an organic nitrogen-sulfur compound, a benzene derivative, a biguanidine compound, sorbic acid and its salt, ϵ -polylysine, hinokitiol, various kinds of formalin donor, and chloroisocyanuric acid and its salt.~~

U.S. Patent Application Serial No. 09/839,357
Amendment dated August 13, 2004
Reply to OA of May 18, 2004

Claim 15 (Currently Amended): The composition according to claim 14, wherein after kneading the polyvinylalcohol type polymer and cetyl pyridinium chloride with each other, ~~anti-protista substance and the polymer with each other~~, furthermore the resulting mixture is melted under heating and then the obtained melted solution is dried.

Claims 16-17 (Canceled).

Claim 18 (Original): The composition according to claim 14, wherein a sustained-releasing effect of the anti-protista substance contained in the composition is maintained for 2 months.

Claims 19-21 (Canceled).

Claim 22 (Currently Amended): The composition according to claim 14, wherein the polyvinylalcohol type polymer compound is polyvinylalcohol.

Claims 23-27 (Canceled).

U.S. Patent Application Serial No. 09/839,357
Amendment dated August 13, 2004
Reply to OA of May 18, 2004

Claim 28 (Original): A method for killing of or inhibiting of propagation of a protista in a waterway, comprising allowing flowing water in a waterway to contact with the sustained-releasing composition of claim 1.

Claim 29 (Original): The method according to claim 28, wherein waterway is a way for waste water in a refrigerator, a freezer, an ice manufacturing machine or a showcase for freezing and cold storage, a way for waste water from an air conditioner, a drainpipe from a sink or a bathroom, a way for waste water from a factory, a trap of a way for waste water or a flush toilet.